## Claims:

- 1. A compound comprising a steroid hormone stably linked to a DNA-interacting molecule.
- 2. The compound of claim 1 wherein said stable link includes either a urethane or a thiourethane bond.
- 3. The compound of claim 2 wherein said stable link includes a urethane bond.
- 4. The compound of claim 3 wherein said stable link-includes two urethane bonds.
- 5. The compound of any of claims 1 to 4 further comprising a spacer containing 2-30 atoms between the steroid hormone and the DNA-interacting molecule.
- 6. The compound of any of claims 1 to 4, wherein the spacer contains 5-15 atoms.
- 7. The compound of any of claims 1 to 4, wherein the spacer contains 9-11, and preferred 10, atoms.
- 8. The compound of any of claims 1 to 7, wherein the steroid hormone is linked via an urethane bond to the DNA-interacting molecule or the spacer, respectively.
- 9. The compound of claim 4, wherein the steroid hormone is linked via a first urethane bond to the spacer and the spacer is linked via a second urethane bond to the DNA-interacting molecule.
- 10. The compound of any of claims 1 to 9 wherein the urethane bond is positioned either at carbon atom 1,2,4,6,7,110,12,15,16,17 or 21 of a glucocorticoid.
- 11. The compound of claim 10 wherein the urethane bond is positioned either at carbon atom 6 or 21 of a glucocorticoid.
- 12. The compound of any of claims 1-11, wherein the steroid hormone is selected from the group consisting of one or more of androgens, gestagens, oestrogens, glucocorticoids, mineralocorticoids, retinoids, thyroids or synthetic steroids.
- 3. The compound of any of claims 1-11, wherein the DNA-interacting molecule is selected from the group consisting of one or more of intercalating agents, crosslinking reagents, incorporating molecules and ionically interacting molecules.
- 14. The compound of claim 12 wherein the DNA-interacting molecule is a psoralen.
- 15. The compound of claim 14, wherein a glucocorticoid is stably linked via an urethane bond at carbon atom 24 of the glucocorticoid to a spacer containing 2-30 atoms, wherein said spacer is covalently linked to a psoralen molecule.
- 16.A compound of claim 15, wherein the spacer contains 5 to 15 atoms, especially 9 to 11 atoms.

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- 17.A method for the preparation of the compound comprising the steps of ligating a steroid hormone to a DNA-interacting molecule.
- 18. The method of claim 17 further comprising the steps of ligating a spacer to the steroid hormone and ligating the DNA-interacting molecule to the spacer.
- 19. The method claim 18 wherein the steroid hormone is linked via an urethane bond to
- 20.A complex consisting of a compound of any of claims 1-16 complexed to a nucleic acid molecule.
- 21.A method for the preparation of the complex of claim 20 comprising the steps of ligating a steroid hormone to a DNA-interacting molecule to form a compound and complexing the compound with a nucleic acid molecule.
- 22. The method of claim 21 further comprising the steps of ligating a spacer to the steroid hormone and ligating the DNA-interacting molecule to the spacer.
- 23.Use of the complex of claim 20 for introducing a nucleic acid molecule into the nucleus of a cell.
- 24.Use of the complex of claim 20 for introducing a DNA molecule into the nucleus of a non-dividing cell.
- 25.A cell transfected with a complex according to claim 20.
- $_{\perp}$ 26.Use of a cell according to claim 25 for the medical treatment of a human being.
- 27.A pharmaceutical preparation comprising the complex of claim 20 and a physiologically tolerable carrier.
- 128.A method for transferding cells comprising the step of administering a therapeutically effective amount of a complex according to claim 20 to a subject.
- 1 29. An assay comprising the steps of
  - a) transfecting cells with a complex of claim 20, wherein the DNA molecule contains an expressible gene;
  - b) monitoring the expression of said expressible gene, and
  - c) comparing the expression of said expressible gene in transfected cells with the expression of said expressible gene in non-transfected cells.

